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AGRONOMY NOTES

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BARSOY—A NEW WINTER BARLEY

V. C. Finkner and S. H. Phillips

The early maturity of Barsoy winter barley will fill a gap in the maturity dates of the barley varieties presently recommended. Double cropping of small grain and wheat has grown to the extent that 30,000 to 40,000 acres in Kentucky grow two crops each year. This practice will continue to develop and become more important on grain farms. The early maturity characteristic of Barsoy will allow an earlier planting of soybeans than will other barley varieties.

Variety Origin

Barsoy was selected at the University of Kentucky from a cross of Aizu 6 (P.I. 183373) and Dayton (C.I. 9517) by Dr. V. C. Finkner. The second generation (F₂) plants were space planted and individual plants were selected for mildew and agronomic type.

Variety Description

Barsoy is a six-rowed, rough-awned winter barley with early maturity. Barsoy is equal in winter hardiness to Dayton and Kenbar, but has higher test weight, shorter straw and greater lodging resistance. Yields are equal to or superior with cleaner threshing in respect to removal of awn by combine harvest. Barsoy is susceptible to loose smut and has moderate resistance to mildew. The early maturity has permitted Barsoy to escape damage from other barley diseases common in Kentucky.

Seed Supply

Foundation seed may be secured from the Agronomy Department, University of Kentucky, Lexington, Ky. 40503. The registered and certified classes may be purchased from producers. However, seed supply will be limited for the next two production years.

Performance Compared With Other Commonly Used Varieties

<u>Variety</u>	<u>Yield</u>	<u>Test Weight*</u>	<u>Plant Height*</u>
Kenbar	48	46	37
Dayton	48	45	37
Harrison	60	49	36
Will	54	48	37
Barsoy	58	50	33

*1964-66 avg. data, Lexington, Princeton, Bowling Green, and Murray.

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